



# Former Plainwell Impoundment Time-Critical Removal Action Weekly Construction Update

**Progress Report #58—August 4, 2008**

## Work Completed: July 24-July 30, 2008

- Completed the installation of the resuspension control system for Mid-Channel Area B.
- Began removing sediment from Mid-Channel Area B. Excavation included the use of a long reach excavator (equipped with RTK GPS) on a portable floating barge system.
- Completed the removal of additional floodplain soil in Removal Area 6B under USEPA and MDEQ oversight. After completion, topsoil was replaced and graded.
- Completed the removal and disposal of materials from Staging Area 3S, including HDPE geomembrane liner, geotextile fabric, and aggregate material.
- Continued post-deconstruction work in Staging Area 3S, including fine grading and topsoil placement.
- Continued removal of soil and sediment from Removal Areas 11A and 12A.
- Continued removal of floodplain soil from Removal Area 11A.
- Completed post-excavation activities in Removal Areas 10B, 11B, and 12B, including the placement of topsoil, seeding, and installation of erosion control fabric.
- Continued soil/sediment solidification activities at Staging Areas 4N.
- Continued loading and transporting solidified soil/sediment material from Staging Areas 4N and 5S to Allied Waste C&C Landfill and Ottawa County Farms Landfill.
- Continued loading and transporting solidified soil/sediment TSCA material from Removal Area 12A to EQ Wayne County Disposal Facility.
- Began installing the Phase 2 Cofferdam including a template wall and steel sheeting.
- Continued operation of the WCS. Operation included the installation of two rows of stop logs to increase the depth of water in the area of the Phase 2 Cofferdam.

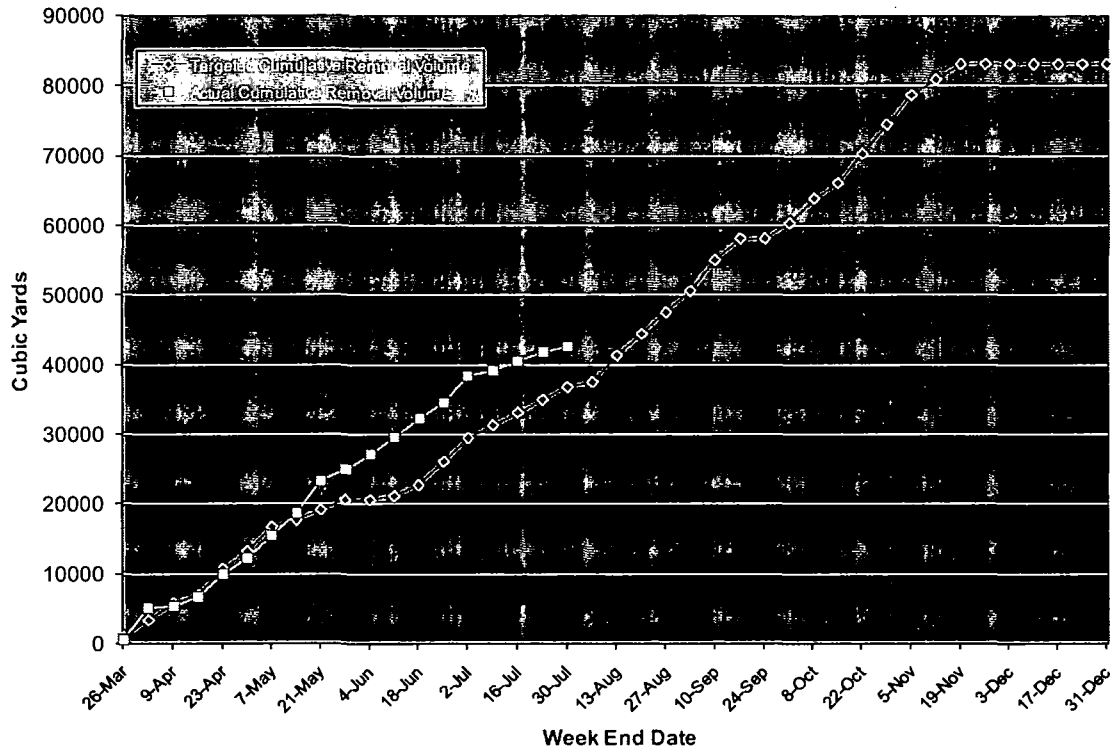
Estimated Weekly Volume Hauled to TSCA and Non-TSCA Landfill Facilities				
Date	Estimated Quantity TSCA-material (cubic yards)	Number of Truck Loads TSCA-material	Estimated Quantity Non-TSCA material (cubic yards)	Number of Truck Loads Non-TSCA material
Weekly Total	1,805	23	1,575	45
2008 Total	7,595	217	35,490	1,014
Project Total to Date	10,065	303	69,405	1,983

Note: All values are unofficial, estimated quantities, subject to revision/verification.

***Work Planned: July 31-August 6, 2008***

- Complete the removal of sediment from Mid-Channel Area B.
- Begin the removal of resuspension control system including temporary steel sheeting from Mid-Channel Area B.
- Begin the installation of a resuspension control system in Removal Area 13B.
- Continue removal of soil and sediment from Removal Areas 11A and 12A.
- Continue removal of floodplain soil from Removal Areas 11A, 12A and 13A.
- Continue soil/sediment solidification activities at Staging Area 4N.
- Continue loading and transporting solidified soil/sediment material from Staging Areas 4N and 5S to Allied Waste's C&C Landfill and Ottawa County Farms Landfill.
- Continue the installation of the Phase 2 Cofferdam.
- Continue operation of the WCS.

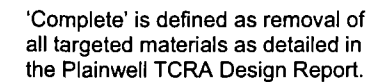
## Removal Progress



### Notes:

Targeted volumes are neat and subject to change due to additional excavation done at request of USEPA.

Actual volumes removed below the targeted volumes potentially due to the conservative estimation methodology used to develop targeted figures and due to the actual topographic conditions encountered at the site, which could result in smaller volumes needing to be removed than originally estimated. The targeted volumes have been increased by 10% to account for additional material that could be removed as a result of over-excavation and additional removal in response to confirmation sampling. Soil/sediment removal activities are on schedule based on the ARCADIS BBL ES 4/30/07 Plainwell TCRA Construction Schedule.



***Health & Safety Update***

- 5 Loss Prevention Observations (LPOs) were completed during this period.  
A total of 190 LPOs have been completed for the project to date.

***Weather Summary***

- No weather related delays.

***Environmental Monitoring and Construction Quality Assurance Testing***

**Resuspension/Turbidity Monitoring:**

Testing Performed this Week? No ☐ Yes ☒

Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

**Dewatering System Discharge Monitoring:**

Discharge Flow: 13,582 gallons (Staging Area 4N) and 0 gallons (Staging Area 5S)

Testing Performed this Week? No ☐ Yes ☒

Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

**Excavation Verification Sampling:**

Testing Performed this Week? No ☒ Yes ☐

Cleanup Standard Achieved? N/A ☒ Yes ☐ No ☐ If no, explain:

***Issues Encountered/Solutions Advanced***

- None.

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**Equipment on Site**

Equipment	7/24/08	7/25/08	7/26/08	7/27/08	7/28/08	7/29/08	7/30/08
Komatsu PC-300 Excavator	4	4	4	4	4	4	4
Komatsu PC-300 HD Long Reach	2	2	2	2	2	2	2
Komatsu PC-200 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	1	1	1	1	1	1	1
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	-	-	-	-	-	-	-
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	1	1	1	1	1	1	1
Komatsu D65 Dozer	-	-	-	-	-	-	-
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
FAVCO 40-ton Crane	1	1	1	1	1	1	1
40' Self Propelled Work Barge	1	1	1	1	1	1	1
American 80-ton Crane (King)	1	1	1	1	1	1	1
2,000 Gallon Water Truck	1	1	1	1	1	1	1
Smooth Drum Roller	1	1	1	1	1	1	1
John Deere Skidsteer	1	1	1	1	1	1	1
Vermeer Chipper	-	-	-	-	-	-	-
Komatsu 400 Articulating Dump Truck	2	2	2	2	2	2	2

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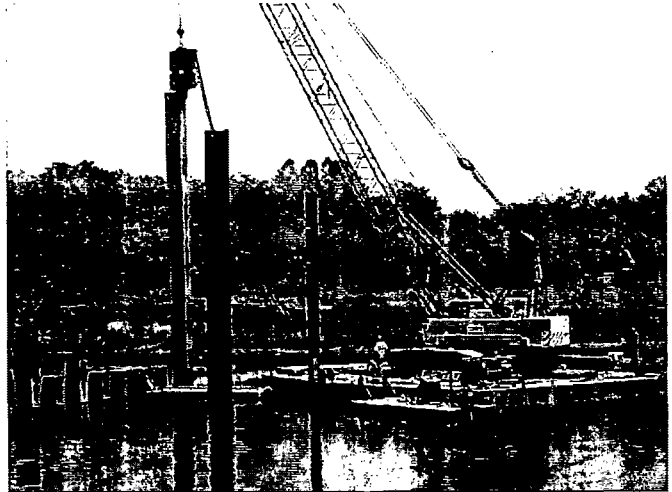
**Personnel, Regulatory Staff, and Visitors on Site**

Individual/Affiliation	7/24/08	7/25/08	7/26/08	7/27/08	7/28/08	7/29/08	7/30/08
Terra Contracting Staff	25	20	15		25	25	25
Jim Saric/USEPA							
Michael Berkoff/USEPA							
Don de Blasio/USEPA							
Mike Ribordy/USEPA OSC	X	X					
Tom Crosetto/USEPA OSC							
Paul Bucholtz/MDEQ	X						
Polly Synk/MDEQ							
Judith Gapp/MDEQ							
Todd Goeks/NOAA							
John Lerg/MDNR							
Sharon Hanshue/MDNR							
Lisa Williams/USFWS							
Weston Contractors	X	X			X	X	X
CDM Contractors	X	X	X		X	X	X
Chase Fortenberry/KRSG							
Mark Brown/KRSG							
Paul Monteny/KRSG							
Eric Schmidt/KRSG							
Suda Arakere/KRSG							
Steve Garbaciak/ARCADIS							
Mike Erickson/ARCADIS							
Scott H Marcus/ARCADIS	X	X	X		X	X	X
Eric Hritsuk/ARCADIS							
Matt Bowman/ARCADIS							X
EJ Suardini/ARCADIS	X	X			X	X	X
Mike Kohagen/ARCADIS	X	X	X		X	X	X
Michelle Rumler/ARCADIS	X	X	X		X	X	X
Joe Willoughby/ARCADIS	X	X	X		X	X	X
Ben Lawrence/ARCADIS	X	X			X	X	X
Dave Patterson/ARCADIS							
ARCADIS H&S Audit Team							
Nick Harmer/ARCADIS	X					X	X
Other Subcontractors (Specify)							
King Co.	5	5			5	5	5
JF New	4						

*Photos from July 24-July 30, 2008*



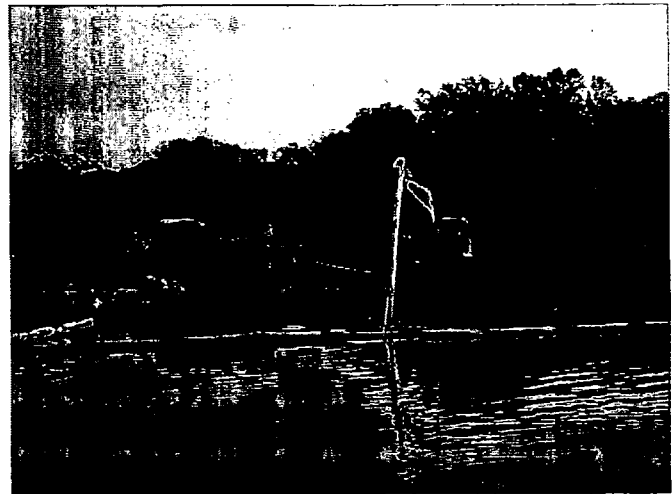
Excavating floodplain soil from Removal Area 6B.



Installing steel sheeting for the Phase II Cofferdam.



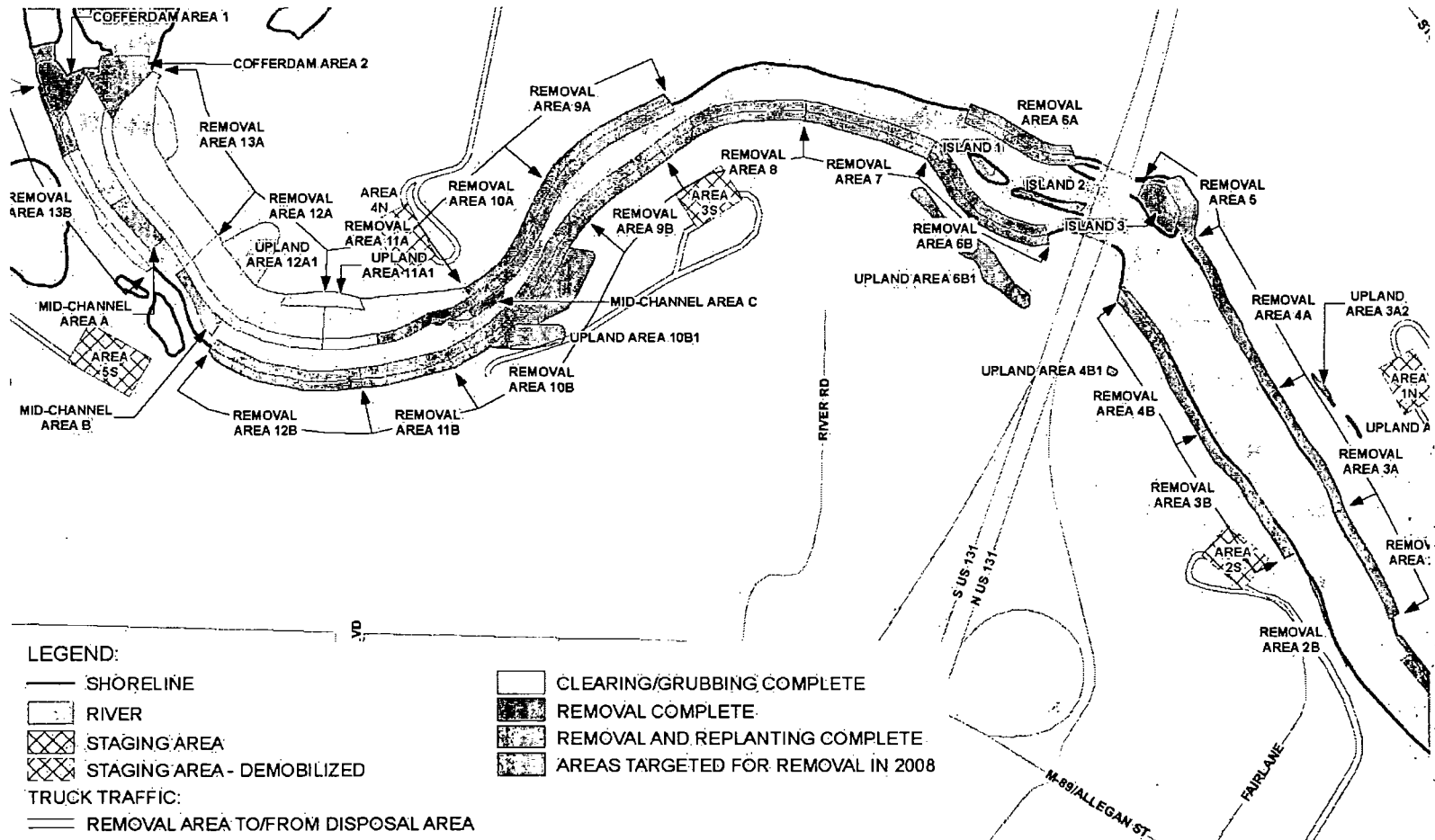
Excavating sediment from Mid-Channel B.



Excavating soil and sediment in Removal Area 12A.



**Targeted Removal Areas – Former Plainwell Impoundment**



**Notes:**

Additional planting in 'Removal and Replanting Complete' areas may be necessary in 2008.

All dimensions and features represented on this map are approximate. Actual locations of access roads and staging areas and final boundaries of removal areas will be determined at the time of construction.